

Redland Rd from Crabbs Branch Way to Needwood Rd -- No. 500010

Category
Agency
Planning Area
Relocation Impact

Transportation
Public Works & Transportation
Gaithersburg Vicinity
None.

Date Last Modified
Previous PDF Page Number
Required Adequate Public Facility

January 3, 2004
7-57(04 App)
NO

EXPENDITURE SCHEDULE (\$000)

Cost Element	Total	Thru FY03	Est. FY04	Total 6 Years	FY05	FY06	FY07	FY08	FY09	FY10	Beyond 6 Years
Planning, Design and Supervision	830	264	230	336	20	126	190	0	0	0	0
Land	85	1	20	64	64	0	0	0	0	0	0
Site Improvements and Utilities	535	0	0	535	0	217	318	0	0	0	0
Construction	1,959	3	0	1,956	0	800	1,156	0	0	0	0
Other	1	1	0	0	0	0	0	0	0	0	0
Total	3,410	269	250	2,891	84	1,143	1,664	0	0	0	0

FUNDING SCHEDULE (\$000)

G.O. Bonds	2,786	5	114	2,667	10	993	1,664	0	0	0	0
Development Approval Payment	474	264	136	74	74	0	0	0	0	0	0
Intergovernmental	150	0	0	150	0	150	0	0	0	0	0

ANNUAL OPERATING BUDGET IMPACT (\$000)

Maintenance				3	0	0	0	1	1	1	0
Energy				12	0	0	0	4	4	4	0
Net Impact				15	0	0	0	5	5	5	0

DESCRIPTION

This project provides for reconstruction of a segment of Redland Road including the intersections with Crabbs Branch Way and Needwood Road for congestion mitigation. Anticipated improvements include: widening a portion of Redland Road from Crabbs Branch Way to Needwood Road, construction of additional turning lanes, installation of traffic improvement devices, storm drain modifications as needed, and an 8' mixed use bike path/sidewalk (Class I). The bike path will be located within the project limits on the north side of Redland Road and the east side of Needwood Road.

Service Area

Gaithersburg vicinity.

Capacity

AM level of service (LOS) of the Crabbs Branch Way intersection will be improved from D to C, and PM LOS from F to B. AM LOS of the Needwood Road intersection will be improved from F to C and PM LOS from E to B.

JUSTIFICATION

Studies conducted by DPWT Traffic Engineering and Operations Section, and Parking Operations Section and comprehensive consultant studies indicate significant congestion in this roadway segment. In addition to the improved level of service, the project will reduce the operational problems at these intersections. The addition of the bike path will provide access to the Shady Grove Metro Station.

Plans and Studies

Accident and congestion studies and a review of impacts to pedestrians, bicycles and the requirements of the ADA (Americans with Disabilities Act of 1991) are being performed and addressed by this project, traffic signals, streetlights, crosswalks, bus stops, sidewalk ramps, bikeways, and other pertinent issues are being considered in the design of the project to ensure pedestrian safety.

Cost Change

Increase due to scope change to include work on the dam requested by DEP and higher utility relocation costs.

STATUS

Preliminary design stage

OTHER

Redesign of proposed Redland Road and Crabbs Branch Way improvements included a new traffic study and preparation of contract documents; deletion of the reversible lane and on-road bike lanes; the addition of a fifth lane at the Redland/Needwood intersection; addition of the off-road bike path; shift of the proposed Redland Road alignment and reconfiguration of lanes; deletion of the retaining walls at the dam; addition of embankment to the south side of the dam; changes in land acquisition and utility impacts. The project scope was changed in July 2003.

FISCAL NOTE

Development Approval Payments (DAP) collected through FY99 have been programmed in this project. DEP will provide \$150,000 in Intergovernmental funding for work on the Crabbs Branch stormwater management pond dam.

APPROPRIATION AND EXPENDITURE DATA

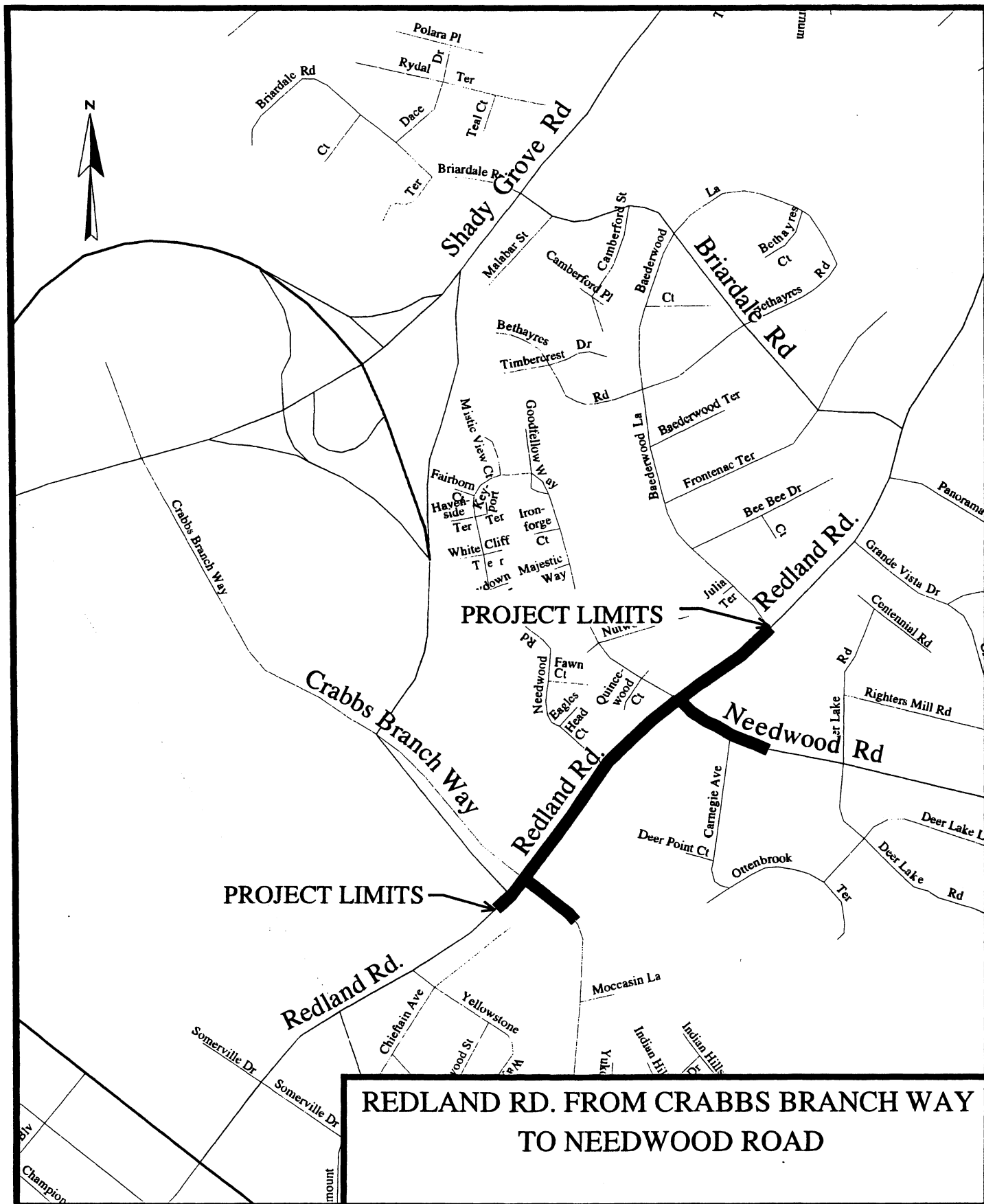
Date First Appropriation	FY00	(\$000)
Initial Cost Estimate		1,896
First Cost Estimate		
Current Scope	FY05	3,410
Last FY's Cost Estimate		2,928
Present Cost Estimate		3,410
Appropriation Request	FY05	482
Appropriation Request Est.	FY06	0
Supplemental Appropriation Request	FY04	0
Transfer		0
Cumulative Appropriation		2,928
Expenditures/ Encumbrances		321
Unencumbered Balance		2,607
Partial Closeout Thru	FY02	0
New Partial Closeout	FY03	0
Total Partial Closeout		0

COORDINATION

Intersection and Spot Improvements
Maryland-National Park and Planning Commission
Maryland State Highway Administration
Department of Permitting Services
Department of Environmental Protection
Utilities
Maryland Department of the Environment
Maryland Department of Natural Resources

MAP

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REDLAND RD. FROM CRABBS BRANCH WAY
TO NEEDWOOD ROAD